laboratory of
fundamental and applied research in chemical ecology

Université de Neuchâtel
Faculté des sciences

POST-DOC OPPORTUNITY

at the University of Neuchâtel, Switzerland

CHEMICAL ECOLOGY/NEMATOLOGY/BIOINFORMATICS (80%)

In the context of two newly funded Horizon Europe projects, we will be hiring post-docs at our laboratory in Neuchâtel. The projects focus on testing odor sensors to detect the presence of insect pests on crops, including the fall armyworm, and the control of the latter with entomopathogenic nematodes.

The successful applicants should have experience with applied entomology, nematology, chemical ecology and/or bioinformatics. A strong background in chemistry will be a plus. She or he should be qualified to take on a leadership role in these highly collaborative projects.

Related literature:

Arce C. et al. (2024). Odor-based real-time detection and identification of pests and diseases attacking crop plants. BioRxiv https://doi.org/10.1101/2024.07.29.605549
Fallet P., et al. (2022). Laboratory and field trials reveal the potential of a gel formulation of entomopathogenic nematodes for the biological control of fall armyworm caterpillars (*Spodoptera frugiperda*). *Biological Control* 176 https://doi.org/10.1016/j.biocontrol.2022.105086
Fallet, P., et al. (2024). Entomopathogenic nematodes as an effective and sustainable alternative to control the fall armyworm in Africa. *PNAS Nexus* 3 (4) 122 https://doi.org/10.1093/pnasnexus/pgae122

The positions will be available starting early summer 2025. Apply by sending a brief statement of interest and your CV (with publication list and the names of three references) by email to Prof. Ted Turlings (ted.turlings@unine.ch), who can also provide further details on the projects.

First deadline for applications: March 28, 2025 (but later applications will also be considered)